YOR 920030330US1
Gustavson et al
SCK

100

Matrix Operation: $C = C - A^T * B$

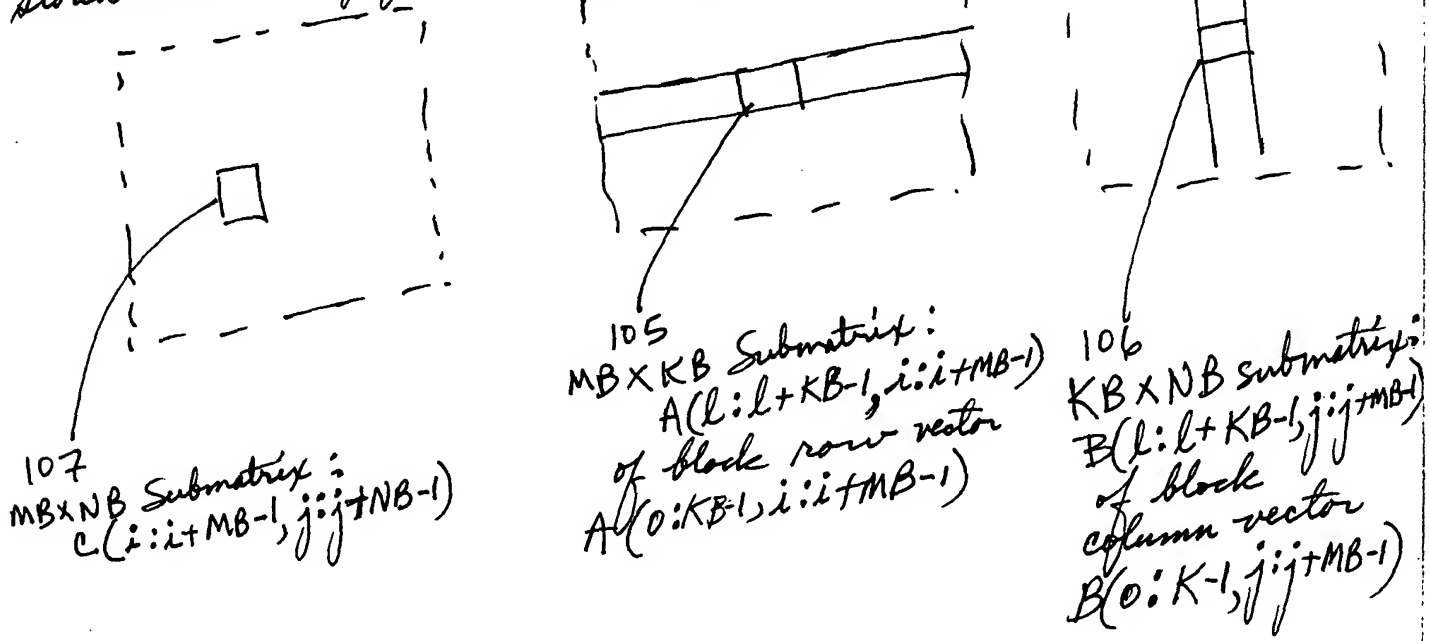
104

j = 0, N-1, NB
  i = 0, M-1, MB
    l = 0, K-1, KB

Matrix C — 103
(Entire matrix usually stored in column major format)

Matrix A — 101
(Entire matrix usually stored in row major format)

Matrix B — 102
(Entire matrix usually stored in column major format)



107
MB×NB Submatrix:
C(i:i+MB-1, j:j+NB-1)

105
MB×KB Submatrix:
A(l:l+KB-1, i:i+MB-1)
of block row vector
A(0:KB-1, i:i+MB-1)

106
KB×NB Submatrix:
B(l:l+KB-1, j:j+MB-1)
of block column vector
B(0:K-1, j:j+MB-1)

FIGURE 1

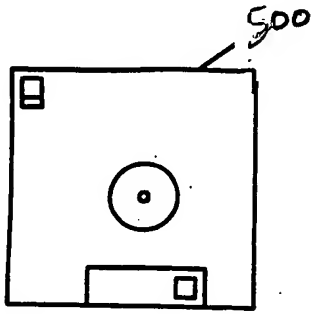


FIGURE 5

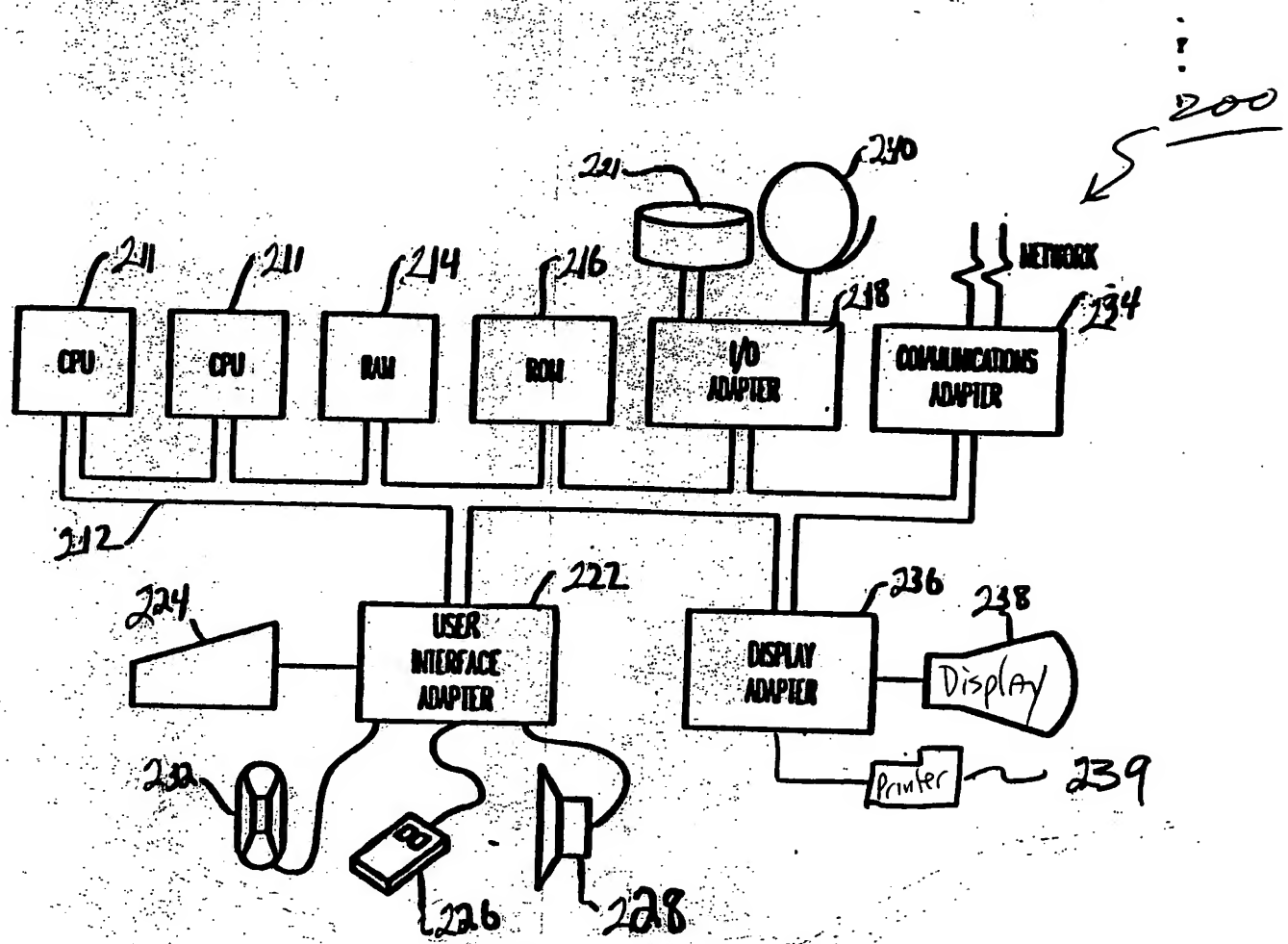


FIGURE 2

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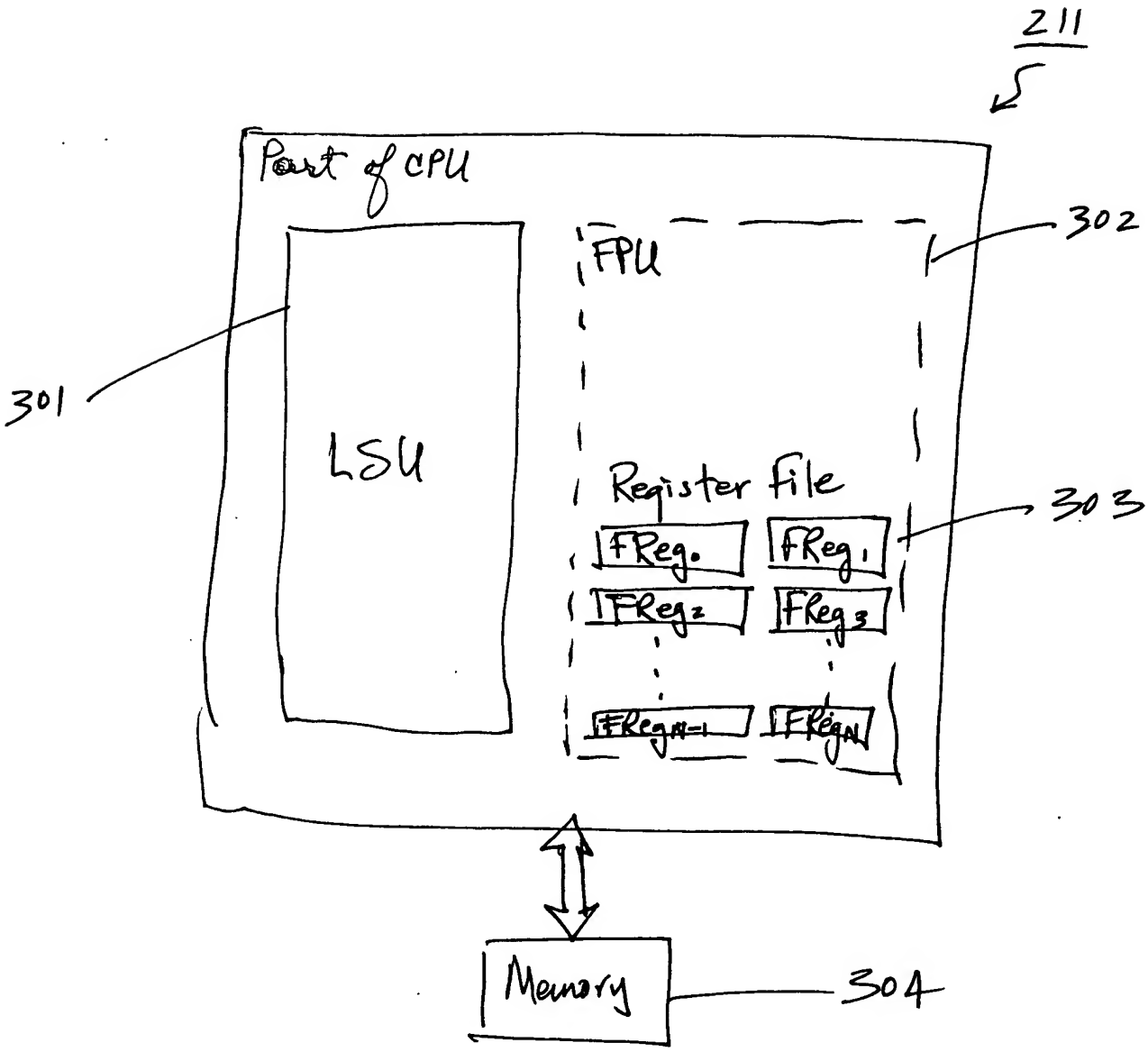

FIGURE 3

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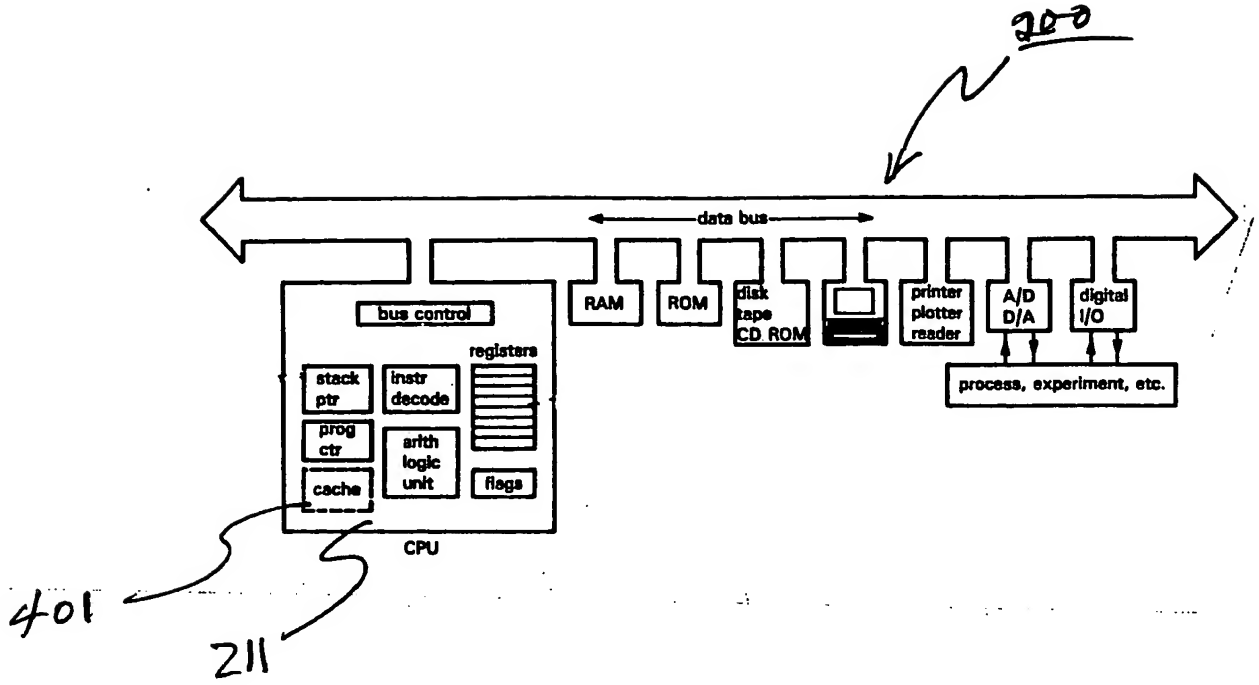

FIGURE 4